PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 60360-PCT	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.						
International application No. PCT/US05/04352	International filing date (day/month/year) 09 February 2005 (09.02.2005)	(Earliest) Priority Date (day/month/year) 11 February 2004 (11.02.2004)					
Applicant FMC CORPORATION							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of							
a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.							
The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).							
b. With regard to any nucleoti	ide and/or amino acid sequence disclosed in	the international application, see Box No. I.					
	unsearchable (See Box No. II)						
3. Unity of invention is lacking4. With regard to the title,	ng (See Box No. III)						
the text is approved as subm	nitted by the applicant.						
the text has been established by this Authority to read as follows:							
5. With regard to the abstract,							
the text is approved as subm	• • •						
		y as it appears in Box No. IV. The applicant the report, submit comments to this Authority.					
as suggested by the	Authority, because the applicant failed to sugg	gest a figure.					
as selected by this Authority, because this figure better characterizes the invention. b. none of the figures is to be published with the abstract.							
D. L. Holle of the rightes is to be p	TOTAL TIME ME MOST MAN.						

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/04352

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A01N 31/14, 33/10, 37/10, 43/38, 43/653, 57/02 US CL : 504/127, 128, 150, 156, 273, 286, 324, 347, 352 According to International Patent Classification (IPC) or to both national classification and IPC						
_	DS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 504/127, 128, 150, 156, 273, 286, 324, 347, 352						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched none						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST: ppo or protoporphyrinogen (oxidase), herbicid, moss, bryophyt-, alg, liverwort-, hornwort						
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.			
A,P	US 6,710,017 B2 (UNHOCH et al) 23 March 2004	(23.03.2004). See entire document.	1-16			
A,P	WO 2004/106238 A2 (HASHMAN) 9 December 2004 (09.12.2004). See entire document.					
		 .				
		·				
•						
	·					
	documents are listed in the continuation of Box C.	See patent family annex. "T" later document published after the int	ameticant filling data or principal			
•	pecial categories of cited documents:	date and not in conflict with the appli	cation but cited to understand			
	defining the general state of the art which is not considered to be that relevance	the principle or theory underlying the	invention			
-	plication or patent published on or after the international filing	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alon	ered to involve an inventive			
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive ste combined with one or more other such being obvious to a person skilled in the	p when the document is h documents, such combination			
"O" document	referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent				
	published prior to the international filing date but later than the	Total Indiana of the same parame				
Date of the actual completion of the international search		Date of mailing of the international search report 1 8 JUL 2003 Authorized officer S. Mark Clardy 7. Robuts for				
	(24.06.2005)	Authorized officer				
	ailing address of the ISA/US I Stop PCT, Attn: ISA/US	4 Polit				
Commissioner for Patents S. Mari		S. Mark Clardy	g go /			
Alex	Alexandria, Virginia 22313-1450 Telephone No. (571) 272-1600					
Englimile No	(702) 305 3330					

ATENT COOPERATION TREATY From the INTERNATIONAL SEARCHING AUTHORITY PCT JOHN M. SHEEHAN FMC CORPORATION 1735 MARKET STREET WRITTEN OPINION OF THE PHILADELPHIA, PA 19103 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) JUL 6411 Date of mailing (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below 60360-PCT International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/US05/04352 09 February 2005 (09.02.2005) 11 February 2004 (11.02.2004) International Patent Classification (IPC) or both national classification and IPC IPC(7): A01N 31/14, 33/10, 37/10, 43/38, 43/653, 57/02 and US Cl.: 504/127, 128, 150, 156, 273, 286, 324, 347, 352 Applicant FMC CORPORATION 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis. 1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis (b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

Authorized officer

Telephone No. (571) 272-1600

S. Mark Clardy 7. Roberto for

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

Name and mailing address of the ISA/ US

Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450

Alexandria, Virginia 22313-1450

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/04352

Box No. I Basis of this opinion					
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which					
it was filed, unless otherwise indicated under this item.					
This opinion has been established on the basis of a translation from the original language into the following language ————, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).					
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
a. type of material					
a sequence listing					
table(s) related to the sequence listing					
b. format of material					
in written format					
in computer readable form					
c. time of filing/furnishing					
contained in international application as filed.					
filed together with the international application in computer readable form.					
furnished subsequently to this Authority for the purposes of search.					
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.					
4. Additional comments:					

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/04352

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. States	nent				
	Novelty (N)	Claims	1-16	YES	
			NONE		
	Inventive etch (IC)	Claima	1 16	VEO	
	Inventive step (IS)	Claims Claims	NONE	YES NO	
	Industrial applicability (IA)		1-16		
		Claims	NONE	NO	
2. Citatio	ns and explanations:				
Claims 1-	16 meet the criteria set out in PCT Artic herbicides such as carfentrazone (among	tle 33(2)-(3), beca	ause the prior art does not teach or control of algae, mosses and other	fairly suggest applying PPO bryophytes.	
Claims 1-1	16 meet the criteria set out in PCT Artic de or used in industry.	le 33(4), and thu	s posses industrial applicability bea	cause the subject matter claimed	
	·				
•	•				

Form PCT/ISA/237 (Box No. V) (January 2004)